

**Health**

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Santé

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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of October 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of October 2007.

Communicable Diseases

In total, there were 422 new infections occurring across 31 communicable diseases** (excluding sexually transmitted infections and HIV) in October 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of the following diseases:

- Diphtheria carriers – 3 cases reported, 0 – 1 cases expected
- Lyme disease – 1 case reported, 0 cases expected
- MRSA – 216 cases reported, 0 – 212 cases expected
- Rubella – there was one case reported – after reviewing the history, this case has been declared unusual and does not meet normal case definitions in Manitoba (however, as it was based on a positive lab report, it is included in this monthly summary)
- Viral meningitis due to Coxsackie disease – 1 case observed, 0 - 1 cases expected

The expected number of cases and accompanying range is based on the number of cases during September, October and November, 2002-2006.

Together MRSA and *Clostridium difficile* accounted for 67.0% of all non-STI/HIV related communicable diseases reported to Manitoba Health. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups. There were reported 4 cases of West Nile virus to Manitoba Health during October leading to a total thus far for 2007 of 583 WNV positive reports.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were 763 cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in October:

- 614 cases of chlamydia (Ct)
- 87 cases of gonorrhoea (GC)
- 60 GC-Ct co-infections and
- 2 cases of syphilis

Forty-four per cent of all GC and Ct cases in the province were reported among females of age group 15-24 years. More than half of all GC and Ct cases (53%) were reported for individuals living in the Winnipeg Health Region and an additional 20% were from the Burntwood Health Region.

Two cases of syphilis were reported during October, 2007. In October, 33 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Nine Manitobans, in age cohorts that ranged from 15 to 79, tested positive for HIV during October 2007. 5 HIV positive reports were for females aged 15 to 39 and 4 HIV positive reports were for men aged 40 to 79 years old.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)

Leishmaniasis – unspecified (ICD9: 085.9)

Methicillin or vancomycin resistant *Staphylococcus aureus* (MRSA/VRSA)

Penicillin-resistant *Streptococcus pneumoniae* (ICD9: 481.9)

Schistosomiasis (ICD9: 120)

Streptococcus pneumoniae – other site (ICD9: 041.2)

Strongyloides (ICD9: 127.2)

Vancomycin resistant enterococci (VRE)

Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the
Provincial Tuberculosis Control Programme located at 315 - 258 Portage Avenue

Please feel free to contact me should you have any questions about this report.
Thank you.

Sincerely,

Myrna Dyck BN, MSc

Epidemiologist, Communicable Diseases

Public Health Surveillance System

Manitoba Health and Healthy Living

SUMMARY OF COMMUNICABLE DISEASE FOR October 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	4	3	2	0-4	34	34
022	ANTHRAX				***	1	
127.0	ASCARIASIS			0	0-0		1
005.8	B. CEREUS			0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		1
320.1	BAC. MENINGITIS - PNEUM	1		0	0-1	3	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC. MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	3	3		***	3	21
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		1
005.2	C. PERFRINGENS	1	1	2	0-7	6	6
016.43	CAMPYLOBACTER	27	27	22	9-35	204	198
558.2	CLOSTRIDIUM DIFFICILE	72	71		***	948	839
046.1	CREUTZFELD-JACOB DISEASE				***	2	
007.8	CRYPTOSPORIDIOSIS	1	7	3	0-7	27	64
061.0	DENGUE FEVER			0	0-0	2	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH. CARRIERS		3	0	0-1		3
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP	2	2	1	0-2	6	15
008.0	E. COLI-VEROTOXIGENIC	29	4	6	0-19	160	41
054.3	ENCEPHALITIS			0	0-0	1	
005.9	FOOD POISONING OTHER			0	0-2	1	
007.1	GIARDIA LAMBLIA	14	4	12	2-22	117	82
041.5	H.I.B.-NON MTGS		1	0	0-1	1	1
041.59	HAEM. INFLUENZAE (non-B)	1	1		***	1	8
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		1
070.1	HEPATITIS A	1		1	0-4	12	7
070.3	HEPATITIS B		1	0	0-1	6	5
070.51	HEPATITIS C	40	33	37	28-46	275	286
054.8	HERPES-W-UNSPEC COMPL			0	0-0	5	1
487.1A	INFLUENZA A				***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA		1	0	0-1	2	1
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0	2	
027.0	LISTERIA MONOCYTOGENES	2		0	0-1	6	
088.81	LYME DISEASE		1	0	0-0	2	7
084	MALARIA	1	3	1	0-3	17	14
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-0	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	189	216	97	0-212	1396	1766
072.9	MUMPS			0	0-1	1	7
036.89	N.MENINGITIDIS OTHER			0	0-1	2	4
728.86	NECROTIZING FASCIITIS		2	1	0-3	15	11
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		1
033.1	PARAPERTUSSIS				***		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	2		6	0-15	10	15
038.2	PNEUM. SEPTICEMIA	18	12	7	0-16	108	76
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REY'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		1
056.9	RUBELLA		1	0	0-0		3
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-4		2
003.0	SALMONELLA	12	6	13	3-23	132	179
120	SCHISTOSOMIASIS			0	0-1	1	1
004	SHIGELLOSIS			1	0-3	10	13
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		1
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-0	1	3
127.2	STRONGYLOIDES		1	0	0-1	5	16
037	TETANUS			0	0-1	1	
130.9	TOXOPLASMOSIS		1	1	0-5	1	1
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		2
013	TUBERCULOSIS - NON-RESP.		2	2	0-7	18	16
011	TUBERCULOSIS - RESP.	2	3	6	0-14	61	63
010	TUBERCULOSIS-PRIM.	1		1	0-3	14	3
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	1	4		***	28	43
005.4	VIBRIO PARAHAEOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK		2	0	0-1	10	9
047.1	VIRAL MENINGITIS-ECHO	2	1	3	0-9	10	3
047.8	VIRAL MENINGITIS-ENTERO	1	1		***	5	1
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***	1	9
198	WNV NEUROLOGICAL SYNDROME				***	17	68
197	WNV NON-NEUROLOGICAL SYND		4		***	33	499
066.3	WNV UNCLASSIFIED				***		7
008.44	YERSINIA ENTEROCOLITICA	1		1	0-3	14	7
		428	422			3741	4546

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR October 2007

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total	
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M			
006.9	AMEBIASIS																1					1	1						3	
116.0	BLASTOMYCOSIS										1				2														3	
005.2	C. PERFRINGENS																			1									1	
008.43	CAMPYLOBACTER	1	1		1			2	2				2	2	4	1		1	1	1	3			1	1	2	1		27	
558.2	CLOSTRIDIUM DIFFICILE	1									1				3		1	5	4	1	2	5	2	7	6	8	18	6	1	71
007.8	CRYPTOSPORIDIOSIS			1			1					1			1	2			1										7	
V02.4	DIPH. CARRIERS			1			1	1																					3	
123.4	DIPHYLLOBOTHRIUM																			1			1						2	
008.0	E. COLI 0157				1		1		1						1								1						4	
007.1	GIARDIA LAMBLIA											1				1					1					1			4	
041.59	HAEM. INFLUENZAE (non-B)																				1					1			1	
041.5	HAEM.INFLUENZA B (not csf																									1			1	
070.3	HEPATITIS B																		1										1	
070.51	HEPATITIS C											2	1		3	2	5	1	8	1	9			1					33	
482.83	LEGIONELLA																				1								1	
088.81	LYME DISEASE																1												1	
084	MALARIA															1					1	1							3	
B95.6	MRSA	2	3	4	8	12	7	7	9	6	4	7	2	10	3	17	12	10	13	5	14	7	9	6	5	15	16	3	216	
728.86	NECROTIZING FASCIITIS																1	1											2	
056.9	RUBELLA															1													1	
003.0	SALMONELLA								1			1					1	1		1			1						6	
038.2	STREP.PNEUMOCOCCAL SEPTIC		2								1		2			1	2	1			1	1		1					12	
127.2	STRONGYLOIDIASIS											1																	1	
130.9	TOXOPLASMOSIS									1																			1	
013	TUBERCULOSIS - NON-RESP.											1										1							2	
011	TUBERCULOSIS - RESP.																	1	1				1						3	

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
B96.8	VANCOMYCIN RES. ENTER.							1														1	1	1					4
047.0	VIRAL MENINGITIS-COXSACK	2																											2
047.1	VIRAL MENINGITIS-ECHO	1																											1
047.8	VIRAL MENINGITIS-ENTERO		1																										1
196	WNV Asymptomatic Infectio											1		1			1	1		3	1	1							9
198	WNV Neurological Syndrome			1						4			2	3	3	1	4	5	5	6	5	14	5	4	2	4			68
197	WNV Non-Neurological Synd							2	5	8	13	6	9	17	12	29	36	56	73	56	54	27	46	15	22	6	7		499
066.3	WNV Unclassified									1						1	1	2		1				1					7
		7	7	7	10	13	12	12	16	16	24	22	17	36	27	58	67	81	107	76	97	45	83	36	43	44	33		1001

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR October 2007

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman	S.Eastman	Interlake	Central	Assiniboine	Parkland	Norman	Burntwood	Churchill	OOP	Missing	TOTAL				
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	3																	3
116.0	BLASTOMYCOSIS	3																	3
005.2	C. PERFRINGENS								1										1
008.43	CAMPYLOBACTER	10		1		2		1	4		3	4		1			1		27
558.2	CLOSTRIDIUM DIFFICILE	43	5		3		3		4		4		6		3				71
007.8	CRYPTOSPORIDIOSIS	2	1			2		1					1						7
V02.4	DIPH. CARRIERS														3				3
123.4	DIPHYLLOBOTHRIUM														2				2
008.0	E. COLI 0157	2	1						1										4
007.1	GIARDIA LAMBLIA	2									1				1				4
041.59	HAEM. INFLUENZAE (non-B)	1																	1
041.5	HAEM.INFLUENZA B (not csf	1																	1
070.3	HEPATITIS B	1																	1
070.51	HEPATITIS C	17	4		1			2	2	1	4						2		33
482.83	LEGIONELLA				1														1
088.81	LYME DISEASE	1																	1
084	MALARIA	3																	3
B95.6	MRSA	77	4	2	4		1	2	4		4		4	5	3	2	84	18	216
728.86	NECROTIZING FASCIITIS	2																	2
056.9	RUBELLA									1									1
003.0	SALMONELLA	2	1			1		1								1			6
038.2	STREP.PNEUMOCOCCAL SEPTIC	5	1			1			1			1			2	1			12
127.2	STRONGYLOIDIASIS	1																	1
130.9	TOXOPLASMOSIS	1																	1
013	TUBERCULOSIS - NON-RESP.	2																	2
011	TUBERCULOSIS - RESP.	1							1	1									3
B96.8	VANCOMYCIN RES. ENTER.	1							1					2					4
047.0	VIRAL MENINGITIS-COXSACK					1							2				1		2
047.1	VIRAL MENINGITIS-ECHO	1																	1
047.8	VIRAL MENINGITIS-ENTERO	1																	1

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
196	WNV Asymptomatic Infectio	1			1		1		1		2		3										9
198	WNV Neurological Syndrome	26	6		2		2		5		8		16		3								68
197	WNV Non-Neurological Synd	101	71		20		25		37		95		137		13								499
066,3	WNV Unclassified	3	1								2		1										7
		314	95	3	32		39	4	56	2	128		171		33	3	3	90	23	2	3		1001
Missing Investigation Forms (Jan.1 to end of September)		121	12	2	2		8	3	14		8		9		4		7	7	4			1	202

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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STD Infection Summary Report - October 2007

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2006	2007	2006	2007
All Chlamydia Infections	424	674	3571	4488
All Gonorrhea Infections (including PRNG)	120	147	1343	1240
All Syphilis Infections	7	2	43	38
Gonorrhea & Chlamydia Co-infections	47	60	428	495
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	7	9	69	69

Total Number of STD Cases by Age and Gender - October 2007

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases							9	1	141	34	140	66	76	50	38	28	15	9	2	4	1							614
Gonorrhea Only Cases							1		15	11	14	10	7	7	5	1	4	8	2	1	1							87
Syphilis Only Cases											1									1								2
GC and CT Cases							1		16	6	9	10	5		4	5		3		1								60
							11	1	172	51	164	86	88	57	47	34	19	20	4	7	2							763
HIV									1		1		1		2		2		1				1					9

Regional STD Distribution - October 2007

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	322	31	5	19		6	12	30	3	26		24	4	34	14	28	85	22	2	7		674
All Gonorrhea Infections	59	1	5	4		1	3	1		4		2		10	2	12	36	6	1			147
All Syphilis Infections	2																					2
GC and CT Infections	23	1	1	2			1	1		2				5	2	5	15	1	1			60